

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 5329 To 5336 /Lab/ 158 / 2022 - 23 Dated:- 06/09/2022.

Laboratory : Bicholim - Goa.

Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : Construction of 30 MLD Raw water Pumping station at Calangute on calangute distributary of Tillari canal for pilerne industrial estate and surrounding villages of Calangute and saligao.

Ref. to Requisition No.: SD V/WDI/WRD/F.27/22-23/135 Dt.:- 25/08/2022

Qty. Recived. : 8 Sets of cube Date of Receipt:- 27/08/2022. Tested on: 29/08/2022 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **1:2:4** O.S No. :9287 To 9294/SS Lab. Sample No.: **5187 to 5194** Tested By: Mrs. S. B. Naik Shirodkar J.E.

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SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
1	Cement concrete cube of mix 1:2:4 , cast on 01/08/2022. For Bed PCC below raft of delivery tank .	28 th day compressive strength	262.77	Kg/Cm ²	210.00 Kg/cm ²	20.81	Qty represents - 242.00 cum for eight sets of cube.
			244.65	Kg/Cm ²			
			253.71	Kg/Cm ²			
		Average	253.71	Kg/Cm²			
2	Cement concrete cube of mix 1:2:4 , cast on 01/08/2022. For Bed PCC below raft of delivery tank .	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/cm ²	16.86	----- do -----
			251.44	Kg/Cm ²			
			244.65	Kg/Cm ²			
		Average	245.40	Kg/Cm²			
3	Cement concrete cube of mix 1:2:4 , cast on 01/08/2022. For Bed PCC below raft of delivery tank .	28 th day compressive strength	253.71	Kg/Cm ²	210.00 Kg/cm ²	18.30	----- do -----
			231.06	Kg/Cm ²			
			260.51	Kg/Cm ²			
		Average	248.42	Kg/Cm²			
4	Cement concrete cube of mix 1:2:4 , cast on 01/08/2022. For Bed PCC below raft of delivery tank .	28 th day compressive strength	260.51	Kg/Cm ²	210.00 Kg/cm ²	21.53	----- do -----
			249.18	Kg/Cm ²			
			255.97	Kg/Cm ²			
		Average	255.22	Kg/Cm²			

Junior Engineer

Assistant Engineer

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SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
5	Cement concrete cube of mix 1:2:4 , cast on 01/08/2022. For Bed PCC below raft of delivery tank .	28 th day compressive strength	224.26	Kg/Cm ²	210.00 Kg/cm ²	8.95	Qty represents - 242.00 cum for eight sets of cube.
			235.59	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	228.79	Kg/Cm²			
6	Cement concrete cube of mix 1:2:4 , cast on 01/08/2022. For Bed PCC below raft of delivery tank .	28 th day compressive strength	253.71	Kg/Cm ²	210.00 Kg/cm ²	16.86	----- do -----
			244.65	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	245.40	Kg/Cm²			
7	Cement concrete cube of mix 1:2:4 , cast on 01/08/2022. For Bed PCC below raft of delivery tank .	28 th day compressive strength	262.77	Kg/Cm ²	210.00 Kg/cm ²	22.61	----- do -----
			246.91	Kg/Cm ²			
			262.77	Kg/Cm ²			
		Average	257.48	Kg/Cm²			
8	Cement concrete cube of mix 1:2:4 , cast on 01/08/2022. For Bed PCC below raft of delivery tank .	28 th day compressive strength	262.77	Kg/Cm ²	210.00 Kg/cm ²	20.45	----- do -----
			249.18	Kg/Cm ²			
			246.91	Kg/Cm ²			
		Average	252.95	Kg/Cm²			

- Copy to: 1. The Assistant Engineer , SD V , WDI, WRD, Porvorim - Goa.
2. Copy submitted to The Superintending Engineer ,CPO,WRD, Sinchai Bhavan, Porvorim Goa for kind Information.
3. Copy submitted to The Executive Engineer , WDI ,WRD, Porvorim - Goa.
4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer